

01390518 SADDLE RIVER AT GROVE STREET, AT RIDGEWOOD, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°57'44", long 74°05'39" referenced to North American Datum of 1983, Ridgewood Village, Bergen County, NJ, Hydrologic Unit 02030103, at bridge on Grove Street, 0.8 mi upstream of HoHoKus Brook, 1.5 mi southeast of Ridgewood, and 3.3 mi east of Oradell.

DRAINAGE AREA.--22.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1998, 2008.

GAGE.--Reference point only.

SURFACE-WATER RECORDS

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft ³ /s
Feb 19, 2008	96.8
Apr 1, 2008	51.7
Apr 28, 2008	36.3
Jun 26, 2008	15.5
Jul 17, 2008	7.50
Jul 24, 2008	161
Aug 5, 2008	9.80
Aug 21, 2008	6.44
Sep 7, 2008	82.7
Sep 18, 2008	12.0

01390518 SADDLE RIVER AT GROVE STREET, AT RIDGEWOOD, NJ—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--February 2008 to September 2008.

PERIOD OF DAILY RECORD.--July 2008.

REMARKS.--The accuracy of continuous water-quality data is routinely verified through inspections for fouling and calibration drift. The New Jersey Water Science Center requires that either constant or prorated adjustments be made to the continuous water-quality record when the difference between a sensor's response and a known value exceeds the following criteria: Water Temperature, 0.2 degrees Celsius (+ or -); Specific Conductance, the greater of 5 microsiemens/cm (+ or -) or 3% of the measured value; Dissolved Oxygen, the greater of 0.3 mg/L (+ or -) or 5% of the measured value; pH, 0.3 units (+or-). If the difference between a sensor's response and a known value is within specified criteria, the data are considered to be reliable and are not adjusted. Data from the following period(s) were adjusted - none.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 2

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf μS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
Feb													
19...	1140	97	6.0	755	11.2	90	7.7	508	4.5	5.6	78	95.7	279
Apr													
01...	1230	52	1.7	757	12.2	107	7.8	595	--	9.8	112	99.7	333
28...	1350	36	2.0	755	10.7	100	7.8	598	12.7	12.4	125	96.8	362
Jun													
26...	1000	16	1.4	761	9.7	105	7.7	558	25.5	19.0	124	84.7	310
Jul													
17...	1020	7.5	1.8	563	9.3	143	7.8	589	30.0	21.1	130	92.4	356
24...	1030	161	25	760	8.0	91	7.6	279	23.0	21.9	58	40.3	194
Aug													
05...	1100	9.8	2.5	765	8.8	97	7.7	530	--	20.3	120	82.1	309
21...	1120	6.4	1.5	767	10.7	114	8.0	589	24.5	18.4	133	89.6	329
Sep													
07...	1300	83	14	760	8.0	91	7.5	269	26.0	21.4	54	37.2	162
18...	1310	12	.8	765	11.2	117	8.1	576	22.5	17.4	131	85.0	333

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 2

[Remark codes: <, less than; E, estimated.]

Date	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Total nitro- gen, water, unfltrd mg/L (00600)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro- phyll a phyto- plank- ton, fluoro, µg/L (70953)	Pheo- phytin a, phyto- plank- ton, µg/L (62360)	Boron, water, unfltrd recover -able, µg/L (01022)	Iron, water, unfltrd recover -able, µg/L (01045)
Feb												
19...	11	.31	E.011	1.40	1.7	E.01	.03	4.5	2.4	.9	28	292
Apr												
01...	1	.26	<.020	1.70	2.0	E.007	.016	2.7	4.4	2.4	37	129
28...	2	.39	E.018	1.44	1.8	<.02	E.01	2.9	7.5	4.7	39	36
Jun												
26...	2	.25	.021	1.56	1.8	.04	.04	2.7	.9	1.3	48	104
Jul												
17...	2	.20	E.012	1.28	1.5	<.02	.02	2.2	2.7	3.1	40	86
24...	48	.81	.038	.76	1.6	.05	.17	8.7	14.4	10.3	32	1,480
Aug												
05...	3	.29	<.020	1.31	1.6	.03	.04	2.7	3.9	4.5	32	186
21...	3	.17	<.020	1.44	1.6	<.02	E.02	1.9	4.2	2.5	39	95
Sep												
07...	11	.60	.021	.94	1.5	.07	.11	7.9	3.6	2.4	21	508
18...	3	.20	<.020	1.68	1.9	E.01	.02	2.0	1.9	.8	36	55

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[Remark codes: <, less than.]

Date	Time	Phos- phorus, bed sedimnt total, mg/kg as P (00668)	Total carbon, bed sed <2 mm, wsv nat field g/kg (49272)	Inorg. carbon, bed sed <2 mm, wsv nat field g/kg (49270)	Organic carbon, bed sed <2 mm, wsv nat field g/kg (49271)
Sep					
23...	1200	190	.6	<.2	.6
25...	1240	240	.6	<.2	.5

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HOURLY WATER-QUALITY-MONITOR VALUES
JULY 9, 2008 TO JULY 14, 2008

